



PJM Summer 2018 Operations Update

Illinois Commerce Commission

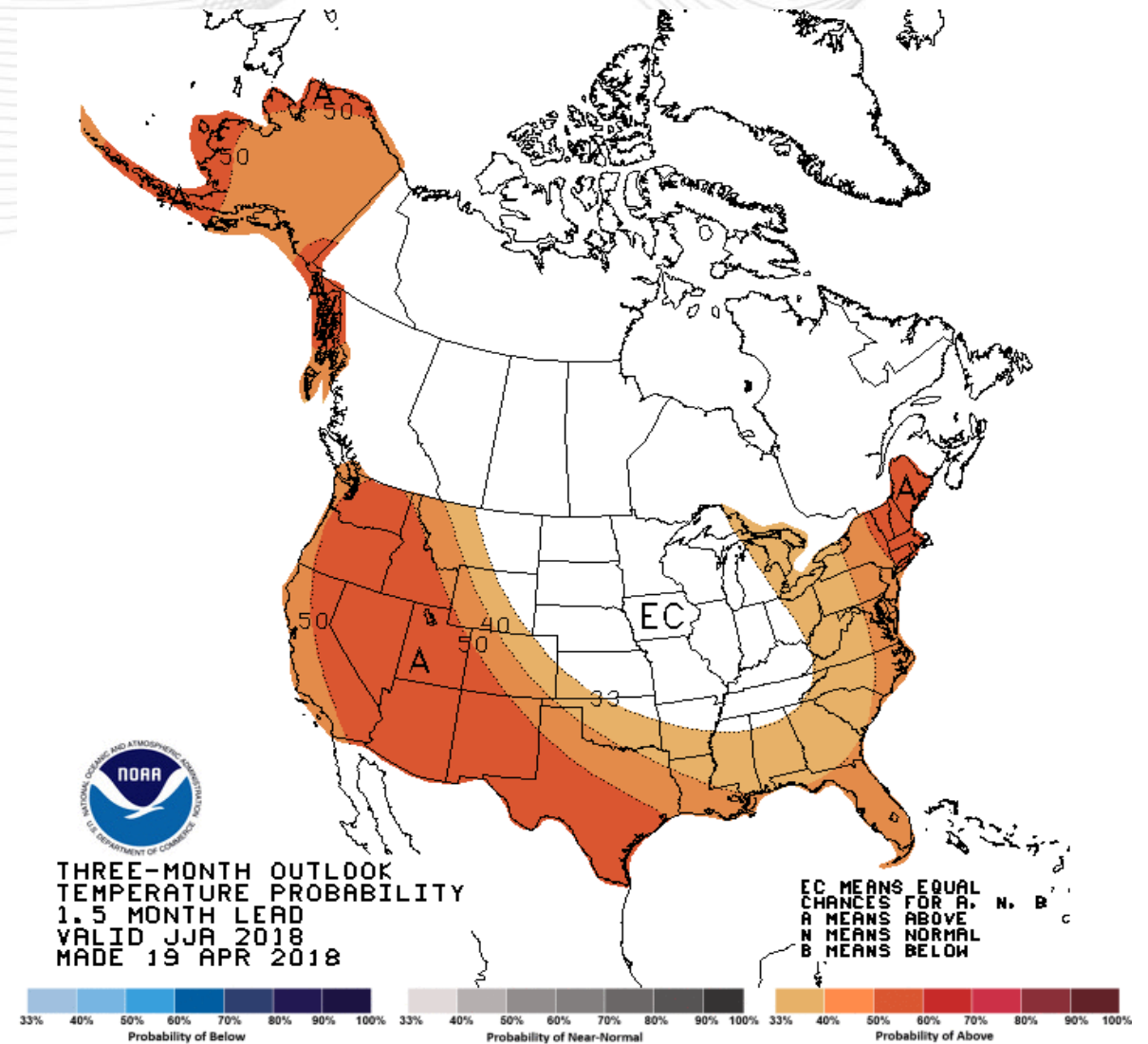
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Operations

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Current forecast suggests a higher probability of above average temperatures for the entire RTO.

There is a greater chance of above average temperatures in the eastern half of the RTO than in the west.



PJM Load and Capacity Comparison: 2017 vs. 2018

2017

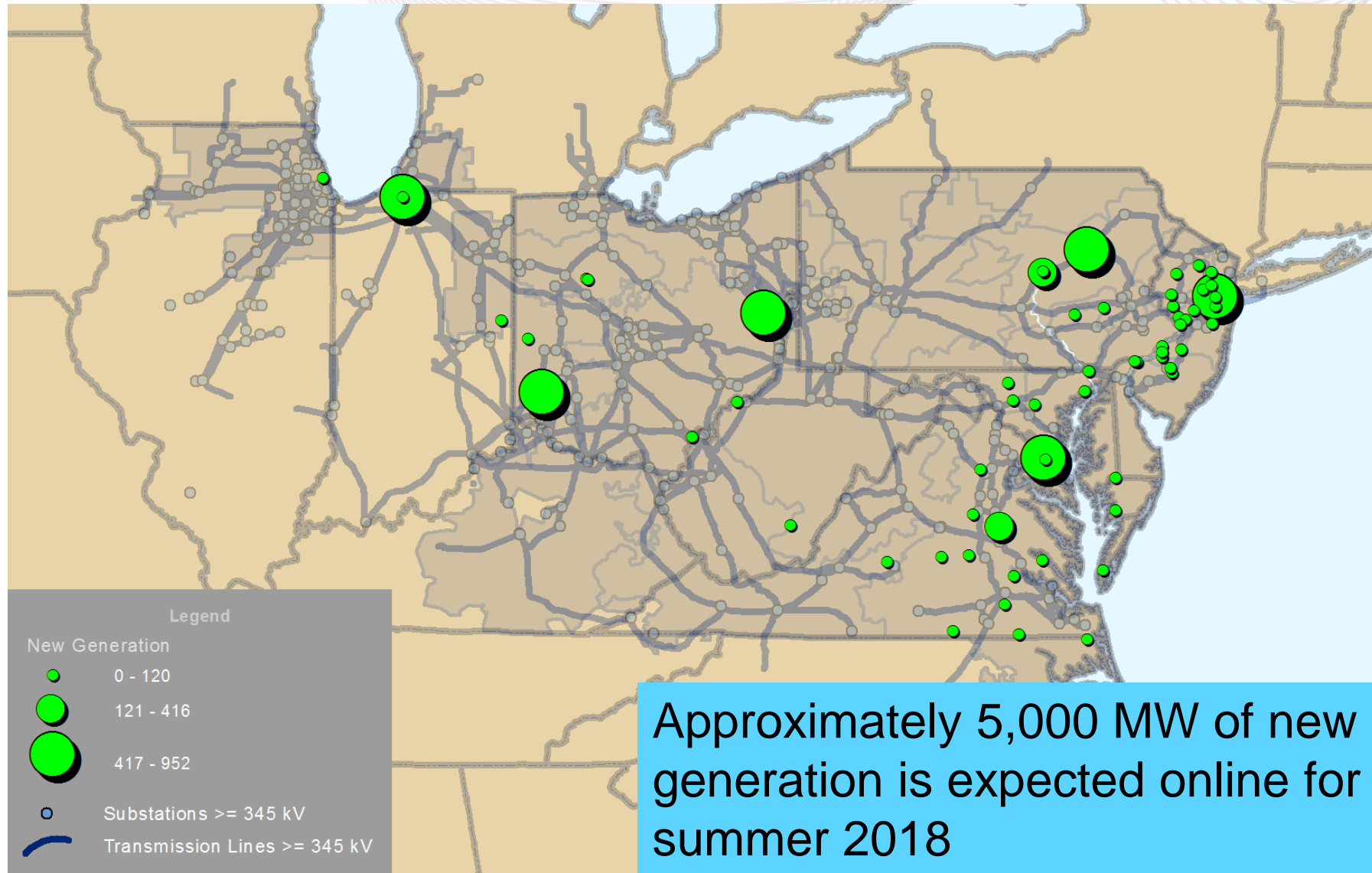
Forecast Load (MW) Total	Demand Response (MW)	Forecast Load Less Demand Response (MW)	Installed Generation Capacity (MW)	Reserve Margin (MW)	Reserve Margin	Required Reserve Margin
152,999	9,120	143,879	185,804	41,925	29.1%	16.6%

2018

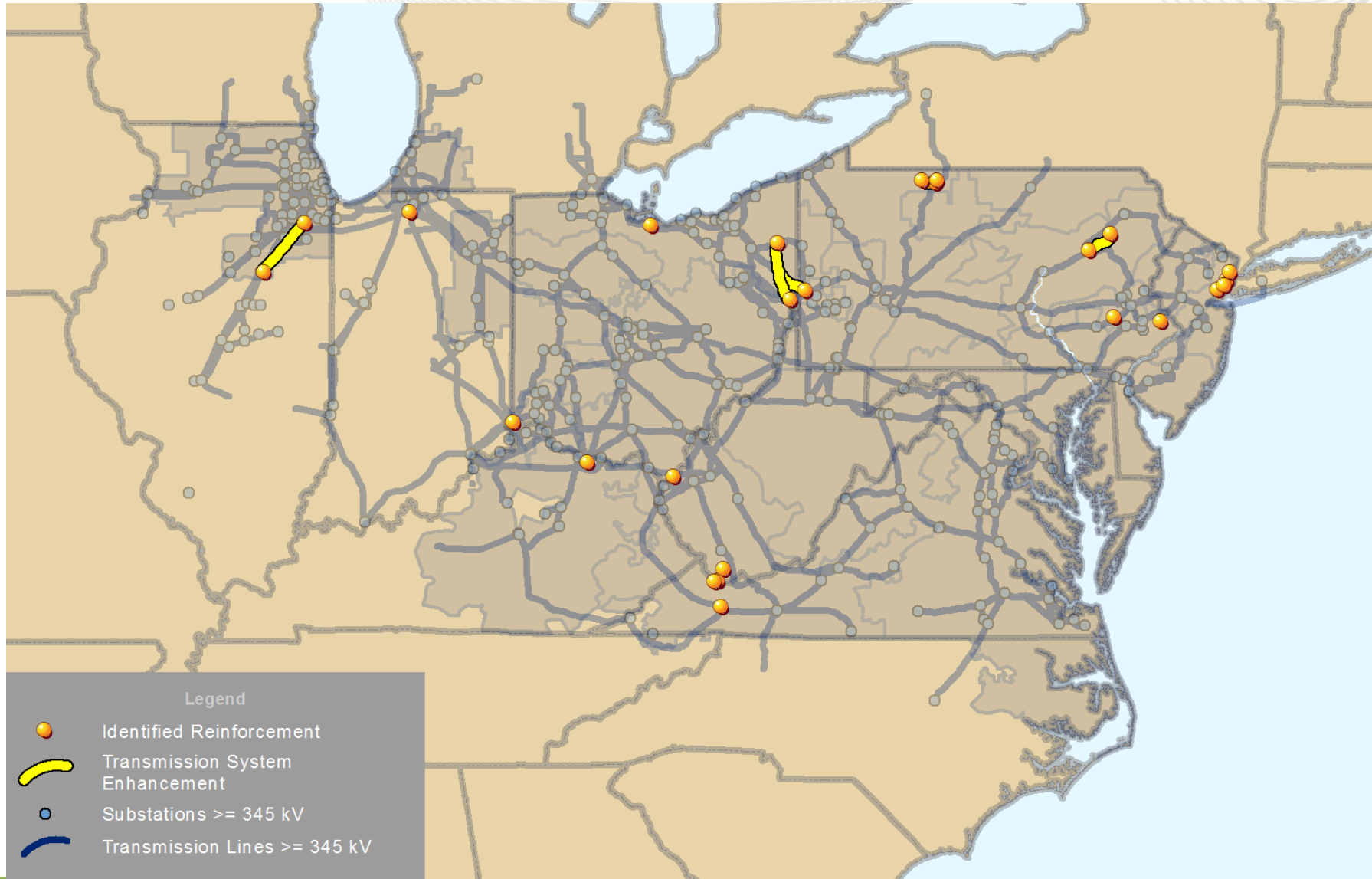
Forecast Load (MW) Total	Demand Response (MW)	Forecast Load Less Demand Response (MW)	Installed Generation Capacity (MW)	Reserve Margin (MW)	Reserve Margin	Required Reserve Margin
152,108	9,095 ¹ (est.) ↓	143,013 ↓	184,010 ↓	40,997	28.7% ↓	16.1% ↓

¹DR estimate is based on methodology used in RTEP and described in PJM Manual 19

2017 (Metered Peak Load: 145,331 MW on 7/19/17 at HE 18)



Approximately 5,000 MW of new generation is expected online for summer 2018



50/50 Non-diversified Peak Load Base Case

LAS Load Forecast	158,010 MW
Preliminary RTO Net Interchange	4,150 MW** (Importing)
PJM RTO Installed Capacity	184,010 MW
Discrete Generator Outages	12,285 MW

** 4,150 MW of net interchange is modeled in the OATF base case and accounts for external pseudo tied capacity resources.

Study Complete

- No reliability issues identified for base case and N-1 analyses
- Some off-cost generation re-dispatch required to control local thermal issues
- All voltage issues were resolve with capacitors
- Sensitivity studies – no concerns identified

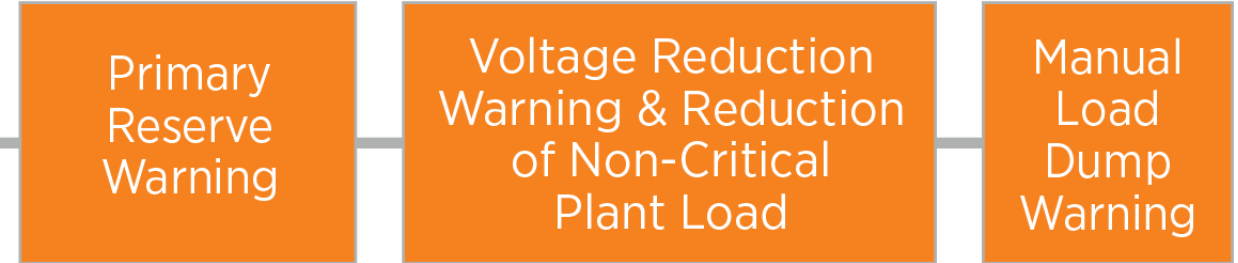
- Summer Seasonal Assessment
- Conduct emergency drills to ensure readiness
- System Operator Training
- Assess the weather outlook daily
- Review projected load and capacity
- Coordinate with neighboring systems to discuss the upcoming season conditions



Alerts



Warnings



Actions

